

N° 5.

Cable Survey.

1935 - Nov 14. P 1891

to

* 1935 - Nov 18 P 1891

617
52
545

610-17

50 - 0

100 - 0

150 - 1

200 - 2

250 - 3

300 - 4

350 - 5

400 - 7

450 - 9

500 - 10

550 - 13

600 - 17

650 - 17

$$\begin{array}{r} 615 \\ \underline{- 54} \\ 591 \end{array}$$

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4.32
Started down SERIAL TEMPERATURES. Came up

4.32

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
963 25	69	69 488		
939 50	65.9	61 755		
914 100	65.9	60 480		
864 200	62.4	69 478		
766 300	50.0	51 141		
668 400	42.8	63 923		
574 500	40.4	66 3432		
475 600	45.9	68 848	too much	
379 700	38.6	62 358		
283 800	37.9	69 485		
188 900	37.2	66 665		
92 1000	37.0	54 815		
	36.8			

REMARKS:

Started up

Down

507. F. D. 2850

No. 195 Survey Date Nov 14 1891

Sugbee Machine Reel. Survey

Turns 2465 Cor. + 170 Depth 2635 fms

Shot or lead 6.0 lbs

Bottom 1n. 62'

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air 73 Surface 73 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5. 15. 40	15-00	0		
16. 35	14-00	100		
17. 35	13-15	200		
18. 35	12-30	300		
19. 40	11-30	400		
20. 45	10-45	500		
21. 50	09-45	600		
22. 55	08-45	700		
24. 05	07-45	800		
25. 15	06-30	900		
26. 30	05-15	1000		
27. 45	04-00	1100		
28. 55	03-00	1200		
30. 05	02-00	1300		
31. 35	01-00	1400		
32. 50	6-00-00	1500		
34. 30	59-00	1600		
35. 40	58-00	1700		
37. 05	57.00	1800		
38. 30	56.00	1900		
39. 50	54.50	2000		
41. 30	53.35	2100		
42. 50	52.20	2200		
44. 15	51.05	2300		
46. 05	50.00	2400		
46. 50	51.49.00	65		

P. log read 74. 4 Interval 1/2'

Raw 1/10 knots while heaving in

2500	4682	219
2600	2465	49
2700	2217	170
2800		2465
2900		2635
3000		
3100		
3200		219
3300	4682	49
	1889	170
3400	2793	2465
3500		2635
3600	4682	219
3700	2465	49
3800	2217	170
3900		2635
4000		

Each instrument was ten fms.
deeper than it should have been.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10	73.0	52732	0.0	73.0
25	69.0	69488	-0.4	68.6
50	65.9	61755	0.0	65.9
100	62.4	69480	+0.1	62.5
200	50.0	69478	-0.2	49.8
300	42.8	51451	-0.3	42.5
400	40.4	63913	-0.0	40.4
500	45.7	66774	too much	
600	38.6	68848	-0.1	38.5
700	37.9	62358	-0.1	37.8
800	37.2	69485	+0.1	37.3
900	37.0	66665	-0.0	37.0
1000	36.8	54815	-0.3	36.5

REMARKS:

Towed surface net for ten minutes.

2 sps. Amphipod crustaceans -
Few Portuguese Man-of-War.

2851

No. 196 Survey. Date Nov 14-1891.

Sigaba Machine. Reel. Navy.

Turns 2607 Cor. + 175 Depth 2782 fms.

Shot or lead 60 lbs.

Bottom 35° 35°

Bottom temperature

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.2

Air 42° Surface 73° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7- 29-00	31-45	0		
30- 30	30-45	100		
31-30	29-55	200		
32-30	29-5	300		
33-30	28-15	400		
34-30	27-30	500		
35-15	26-40	600		
36-20	25-40	700		
37-25	24-35	800		
38-30	23-25	900		
39-35	22-0	1000		
40-45	20-45	1100		
42-00	19-35	1200		
43-10	18-30	1300		
44-25	17-30	1400		
45-45	16-30	1500		
47-00	15-10	1600		
48-30	14-05	1700		
49-50	13-55	1800		
51-10	11-45	1900		
52-30	10-30	2000		
54-00	09-0	2100		
55-30	07-35	2200		
57-00	06-30	2300		
58-30	05-15	2400		

Interval 12' -

Log read: 86.4 while bearing 5

Rew 1-6

P.M.

8-00-10	05-0	2500	4682	219
02-00	8-04-00	2600	2607	44
		2700	2075	175
		2800		2607
		2900		2782
		3000		
		3100		
		3200	4682	219
		3300	2607	44
		3400	2075	175
		3500		2607
		3600		2782
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Dived Surface - white dredging.
Few Physalia, Vellela, small fish, Many
bluish amphipods

2852

No. 197 Survey Date Nov. 14/91.
 Digestor Machine #1 Reel. Starf.

Turns 2670 Cor. + 178 Depth 28' 48" fms.

Shot or lead 60 lbs.

Bottom 4m 03'

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 72 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-43-40	48-10	0		
44-40	47-20	100		
45-35	46-45	200		
46-30	46-5	300		
47-25	45-20	400		
48-25	44-30	500		
49-30	48-45	600		
50-35	42-50	700		
51-40	41-45	800		
52-45	40-40	900		
53-50	39-30	1000		
55-0	38-25	1100		
56-15	37-20	1200		
57-35	36-50	1300		
58-45	35-5	1400		
59-10	33-50	1500		
10-0	32-40	1600		
01-30	31-25	1700		
02-50	30-20	1800		
04-10	29-5	1900		
05-3-0	27-55	2000		
07-0	26-40	2100		
08-25	25-35	2200		
09-50	24-30	2300		
12-55	10-23-10	2400		

10-14-30	21-50	2500	4682	219
16-0	20-25	2600	2670	44
17-15	10-14-30	2700	2012	170
		2800		
		2900		
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2670	41
		3500	2012	178
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR. _d	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2853

No. 7 Current Date Oct
Machine # Reel. 2100

Turns = Cor. + 178 Depth = 160
Shot or lead = 60 lbs.

Bottom

Bottom temperature

No. of thermometer — Cor. —

Corrected temperature —

Air 15 Surface 75 Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	03.35	0		
	03.00	100		
	02.20	200		
	01.45	300		
		400		
		500		
		600		
		700		
		800		
	01.37	900		
		1000		
		1100		
		1200		
		1300		
		1400		
	0.	1500		
		1600		
	01.07	1700		
1.40	" "	1800		
01.07	06.20	1900		
01.07	45.35	2000		
01.07	44.30	2100		
01.07	43.00	2200		
01.07	41.15	2300		
		2400		

12.32.15	40.05	2500	46	
34.00	39.05	2600	26	
35.10	12.38.00	2700		17.1
		2800		26.5
		2900		25.6
		3000		
		3100		
		3200		
		3300		
		3400	46.02	21.9
		3500	26.82	4.1
		3600	25.60	17.1
		3700		
		3800		28.6
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

266.1

No. 199 Date Nov. 15, 1891

Dredge Machine 1 Reel. Name

Turns 2730 Cor. + Depth 22910

Shot or lead 60 lbs.

Bottom 6 m.

Bottom temperature 35.2°

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.4°

Air 72 Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
46.00	46.00	0		
46.25	46.25	100		
46.50	46.50	200		
46.75	46.75	300		
47.00	47.00	400		
47.25	47.25	500		
47.50	47.50	600		
47.75	47.75	700		
48.00	48.00	800		
48.25	48.25	900		
48.50	48.50	1000		
48.75	48.75	1100		
49.00	49.00	1200		
341.00	341.00	1300		
35.15	35.15	1400		
36.30	36.30	1500		
37.45	37.45	1600		
38.60	38.60	1700		
40.45	40.45	1800		
42.05	42.05	1900		
30	30	2000		
00	00	2100		
25	25	2200		
5	5	2300		
	15	2400		

	19.20	2500		
	19.20	2600	27.30	
	19.20	2700	17.52	13.0
	19.20	2800		27.36
		2900		27.10
		3000		
		3100		
		3200	46.82	29
		3300	27.30	29
		3400	19.52	13.0
		3500		27.36
		3600		29.10
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2855

No. 106 Surveyor, Date Oct 10 - 1888
 Machine 1 Reel No. 1
 Turns 2734 Cor. + 180 Depth 2914 fms.
 Shot or lead 60 lbs.
 Bottom 62° ff
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air 72 Surface 73 Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
67-46	26-00	0		
67-45	25-00	100		
69-45	24-15	200		
70-45	23-30	300		
71-45	22-45	400		
72-45	21-60	500		
73-45	20-75	600		
74-45	19-90	700		
75-45	18-45	800		
76-45	17-60	900		
77-45	16-75	1000		
78-45	15-90	1100		
79-2	14-45	1200		
81-2	11-45	1300		
82-45	8-45	1400		
84-41	5-00	1500		
85-2	-00	1600		
86-45	-00	1700		
87-2	-00	1800		
88-2	-00	1900		
89-1	-00	2000		
90-1	-00	2100		
91-1	-00	2200		
92-00	-00	2300		
93-01	-00	2400		

5-38-30	6-00-00	2500	21.7	21.7
46-0	58-45	2600	17.5	21.7
41-30	57-30	2700		
42-00	5-56-30	2784 2800		
		2900		
		3000		
		3100	46.8°	21.9
		3200	27.3 00	21.9
		3300	19.7	21.9
		3400		
		3500		21.9
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

265

No. 101 Date Oct 21, 1901

Machine Reel.

Turns Cor. + 177 Depth 2837 fms.

Shot on lead 60 lbs.

Bottom 4

Bottom temperature -

No. of thermometer - Cor.

Corrected temperature -

Air 72 Surface 73 Drift -

Trawl or dredge -

SOUNDING WIRE.		URNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
112	112	100		
		200		
112	112	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500			
2600			
2700			
2800			
2900			
3000			
3100			
3200	46.92		21.9
3300	26.60		-4.2
3400	20.22		17.7
3500			26.60
3600			28.37
3700			
3800			
3900			
4000			

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TRMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

607

2007

M

No. 203 Survey Date
 Dugbee Machine. Reel.

Turns 2460 Cor. + 16.9 Depth

Shot or lead 60 lbs.

Bottom 600 fms.

Bottom temperature 54.1°

No. of thermometer 35.2 Cor. - 0.3

Corrected temperature 35.2

Air 72 Surface 72 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

an

10-35-0	10-26-30	2500	4682	21
		2600	2460	50
		2700	222.5	
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2460	50
		3600	2222	16.9
		3700		24.0
		3800		26.29
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

September 10

102000 Machine. Reel.

Turns 2614 Cor. + Depth

Shot or lead 6.0

Bottom 1500 fms.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 74.5 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
/		200		
		300		
		400		
		500		
0.5		600		
		700		
		800		
		900		
		1000		
1.5		1100		
		1200		
		1300		
1.5		1400		
1.6		1500		
		1600		
		1700		
1.9		1800		
2.0		1900		
2.2	12.0	2000		
2.2		2100		
2.2		2200		
2.2		2300		
2.2		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

46.22

26.1926.1726.1526.1326.1126.0926.0726.0526.0326.0126.0026.0026.0026.0026.0026.0026.0026.0026.0026.0026.0026.0026.0026.0026.00

219

43

173

26.11

27.05

27.03

27.01

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

27.00

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. . Date September 15, 1891

Machine. 11 Reel. Starry

Turns Cor. + / Depth 2 - 2

Shot or lead

Bottom 1500 fms

Bottom temperature

No. of thermometer - Cor. -

Corrected temperature -

Air 75 Surface 74 Drift -

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	13. 45	0		
	12. 15	100		
	10	200		
0	7.00	300		
	11	400		
	10. 00	500		
	09. 20	600		
	08. 45	700		
?	08. 05	800		
?	07. 30	900		
?	06. 45	1000		
		1100		
		1200		
10	04. 05	1300		
	03. 00	1400		
4	01. 50	1500		
0	00. 40	1600		
1. 30	59. 35	1700		
2. 45	58. 35	1800		
		1900		
3. 15	56. 15	2000		
2. 45	55. 10	2100		
1. 10	54. 00	2200		
4. 0	52. 50	2300		
4. 10	51. 45	2400		

2500		
2600	2.072	
2700		
2800		
2900		at 100 fms depth
3000		
3100		
3200		
3300		
3400		
3500	4682	219
3600	7747	38
3700	1934	181
3800		2748
3900		2929
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	10.0	1		
200	10.0	2		
300				
400	10.0	3		
500	10.0	4		
600				
700				
800				
900				
1000				

REMARKS:

Bottom temp. Upward
Gained at 100 fms. Reference. In + except
at 100 fms.
Normal sponge;

No. 205 Survey Date Oct 15 1887

Ship Machine Reel.

Turns 2639 Cor. + 176 Depth 2815 fms.

Shot or lead 60 lbs.

Bottom m. Gz.

Bottom temperature 35.6

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 75 Surface 74 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4 - 40-15	41-00	0		
41-15	39-45	100		
42-15	39-00	200		
43-51	38-05	300		
43-45	37-10	400		
44-45	36-15	500		
45-35	35-20	600		
46-40	34-50	700		
47-00	33-15	800		
48-35	32-10	900		
49-35	31-05	1000		
50-35	30-00	1100		
51-35	29-00	1200		
52-10	28-00	1300		
53-15	27-00	1400		
	26-00	1500		
	25-00	1600		
	24-00	1700		
	22-50	1800		
	21-45	1900		
	20-35	2000		
	19-30	2100		
	18-15	2200		
	17-10	2300		
16-5	16-00	2400		

Note all 12' -

bottom with

log road

13/10

log road

15-03

14-03

13-03 (3)

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

1

2

46.7

26.2

26.1

26.3

26.3

26.3

26.3

26.3

26.3

6.1

4.3

17.6

26.3

28.15

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

No.

Date

Machine. #1 Reel. 100' Turns 17 Cor. + 178 Depth 55' 8" Shot or lead 6 lbs

Bottom 4m 02

Bottom temperature

No. of thermometer Cor.

Corrected temperature —

Air 72 Surface 74 Drift -

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
04-5	42-10	900	C	
		1000		
		1100		
		1200		
		1300		
10-25	47-30	1400	S	
		1500		
		1600		
		1700		
		1800	S	
		1900		
		2000		
		2100		
		2200		
	6-30	2300		
7-35-55		2400		

28-18	28-25	2500	
30-0	7-32-0	2600	57.2
		2700	79.2
		2720	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	46.842
		3500	27.70
		3600	19.62
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000'				

REMARKS:

No. 207 Date
 dredge Machine 11 Reel 49
 Turns 2717 Cor. + 179 Depth 28.96 ft.
 Shot on board 60 lbs.
 Bottom 62.02
 Bottom temperature 44
 No. of thermometer — Cor. —
 Corrected temperature —
 Air 72 Surface 74 Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	14.03	0		
13.00	23.20	100		
	12.40	200		
	12.05	300		
	11.10	400		
	10.10	500		
13.30	09.55	600		
14.25	09.00	700		
15.30	08.20	800		
16.35	07.30	900		
17.40	06.35	1000		
8.45	05.40	1100		
14.35	07.40	1200		
24.15	03.45	1300		
22.30	02.50	1400		
23.45	10.01.45	1500		
25.05	59.55	1600		
26.35	58.45	1700		
28.00	57.30	1800		
29.70	56.10	1900		
30.55	54.50	2000		
32.30	53.50	2100		
	52.50	2200		
	51.50	2300		
	50.50	2400		

40	5.35	2500		
		2600	2717	179
	44.00	2700	1965	2217
		2800		2096
		2900		
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2717	40
		3500	1965	179
		3600		2717
		3700		2096
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 208

Date

Nov 15th 1891.

Sinker Machine & Reel.

Turns 2744 Cor. + 181 Depth 2945 fms.

Shot or lead 60 lbs.

Bottom 6m

Bottom temperature 35.6

No. of thermometer 54 815 Cor. -0.3

Corrected temperature 35.3

Air 71 Surface 74 Drift.

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10	42-15	0		
20	41-00	100		
30	40-00	200		
40	39-00	300		
50	38-00	400		
60	37-00	500		
70	36-00	600		
80	35-00	700		
90	34-00	800		
100	33-00	900		
110	32-00	1000		
120	31-00	1100		
130	30-00	1200		
140	29-00	1300		
150	28-00	1400		
160	27-55	1500		
170	26-50	1600		
180	24-45	1700		
190	23-45	1800		
200	22-40	1900		
210	21-35	2000		
220	20-30	2100		
230	19-20	2200		
240	18-10	2300		
250	17-00	2400		

Am Nov 16-

712-07-00	16-00	2500	46.8	3.8
	40	2600	22.64	3.8
10-30	13-45	2700	19.40	1.81
11-30	12-13-00	2744 2800		<u>2744</u>
		2900		<u>2925</u>
		3000		
		3100		
		3200		
		3300	16.82	3.8
		3400	27.44	
		3500	19.38	1.81
		3600		<u>2744</u>
		3700		<u>2925</u>
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2864

No. 209 Alvin. Date Nov 16-1891.

Dredge Machine 1 Reel Navy.

Turns 2715 Cor. + 179 Depth 2896 fms.

Shot or lead 60 lbs -

Bottom bn. 7

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 71 Surface 74 Drift —

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1- 58-30	04-30	0		
59- 30	03-40	100		
2- 08-30	03-10	200		
01- 45	02-25	300		
02-45	01-30	400		
04- 00	00-45	500		
05- 10	3-00-00	600		
06- 20	59-00	700		
07- 30	58-00	800		
08- 40	57-00	900		
09- 50	56-30	1000		
10- 00	55-00	1100		
12- 30	54-00	1200		
13- 50	53-00	1300		
15- 15	52-00	1400		
16- 40	50-30	1500		
18- 00	49-30	1600		
19- 30	48-15	1700		
21- 00	47-00	1800		
22-15	46-00	1900		
23- 45	45-00	2000		
25- 15	44-00	2100		
27- 00	43-00	2200		
28- 30	42-00	2300		
30-15	2-41-00	2400		

M.J.H.

-2-32-01	40-00	2500	46.00	717
33-30	28-00	2600	27.15	40
33-30	28-00	2700	19.67	179
35-30	2-37-45	2800		2715
		2900		2894
		3000		
		3100		
		3200	46.82	21.9
		3300	27.15	40
		3400	19.67	179
		3500		2715
		3600		2894
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

16/91

Machine. Recl.

Turns 2761 Cor. + 181 Depth 29 42 fms.

Shot or lead 60 lb.

Bottom

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 71 Surface 74 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

87-30	03-40	2500	111	7
47415	02-15	2600	2761	3
11-40	0-01-30	2700	111	181
		2800	111	2761
		2900		2947
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2761	38
		3600	1921	181
		3700		2761
		3800		2442
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600			/	
700				
800				
900				
1000				

REMARKS:

7866

No.

of Date

Machine. Reel.

Turns 2802 Cor. + 183 Depth 2985 fms

Shot or lead 60

Bottom 1

Bottom temperature 13.5°

No. of thermometer Cor. - 0.3

Corrected temperature 35.3

Air 72 Surface 74 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
0.9.	1	200		
0.5.	10	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
0.5.	10	1300		
0.5.	10	1400		
		1500		
0.5.	10	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

61.2	21.9
61.2	21.9
61.0	21.8
61.2	21.5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2867

No. 2 for Cuvier Date 21. 6. 1891
 Sights Machine. *1 Reel. Wires
 Turns 2120 Cor. + 183 Depth 3003 fms
 Shot or lead 60 lbs.

Bottom Br. 9

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 73 Surface 7 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
21.20	20.00	0		
23.45	21.55	100		
		200		
25.45	20.00	300		
26.45	24.45	400		
27.50	24.00	500		
28.51	23.10	600		
30.05	22.25	700		
31.20	21.35	800		
32.30	20.45	900		
33.40	19.50	1000		
34.55	18.55	1100		
36.10	18.00	1200		
37.25	17.10	1300		
40	16.15	1400		
40.10	15.20	1500		
41.35	14.15	1600		
42.55	13.15	1700		
44.30	12.20	1800		
45.60	11.25	1900		
47.10	10.25	2000		
48.50	09.35	2100		
50.10	08.30	2200		
51.55	07.25	2300		
53.20	10.06.25	2400		

ANNE

59.58. 10	05.30	2500	4682.	219
576.48	04.30	2600	2820.	36
58.25	03.20	2700	1862	10
		2800		2820
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2820	36
		3600	1862	10
		3700		2820
		3800		219
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

not. 100

No. 213 Date

Logbook Machine Reel Navigation

Turns 2686 Cor. + 178 Depth 2864 fms.

Shot or lead 60 lbs.

Bottom 4 m. 6 ft.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 73 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	03-00	0		
	02-00	100		
	01-30	200		
	01-45	300		
	1-0-10	400		
	5-0-0	500		
	5-0-10	600		
	5-0-05	700		
	5-0-15	800		
	5-0-25	900		
	5-0-35	1000		
	5-0-40	1100		
	5-0-45	1200		
	5-0-55	1300		
	5-0-65	1400		
	50-45	1500		
	49-15	1600		
	48-40	1700		
	47-30	1800		
	46-20	1900		
	45-10	2000		
	44-00	2100		
02-30	43-00	2200		
01-00	41-45	2300		
05-45	12-40-30	2400		

(P.M.)

12-07-15	39-15	2500	46.82	219
09-00	38-00	2600	26.86	41.
10-30	12-30-25	2686 2700	20.06	178
		2800		26.86
		2900		28.64
		3000		
		3100		
		3200		
		3300		
		3400	46.82	219
		3500	26.86	41.
		3600	19.96	178
		3700		26.76
		3800		28.64
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Below 26 m. water
46.86

No. 214 Survey Date Nov² 16th 1891.

Digsbee Machine #1 Reel. Navy.

Turns 2809 Cor. + 1.83 Depth 2992 fms.

Shot or lead 60 lbs.

Bottom 1m. 6yds

Bottom temperature 35.1°

No. of thermometer 54 8.15 Cor. -0.3

Corrected temperature 35.3°

Air 75 Surface 75 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1 - 6.	35-00	0		
22 - 3.	33-30	100		
13 - 3.	32-40	200		
24 - 15	31-40	300		
15 - 1.	29-15	400		
26 - 15	19-45	500		
27 - 3.	28-45	600		
27 - 4.5	27-45	700		
27 - 4.5	26-50	800		
27 - 3.	25-50	900		
25 - 1.	24-50	1000		
33 - 3	20-15	1100		
31 - 0.5	22-45	1200		
27 - 3.	21-30	1300		
27 - 3.	21-15	1400		
23 - 4.5	19-50	1500		
19 - 1.5	17-45	1600		
17 - 1.5	15-15	1700		
15 - 1.5	14-45	1800		
14 - 1.5	13-15	1900		
11 - 1.5	11-45	2000		
4 - 1.5	10-30	2100		
11 - 1.5	09-15	2200		
6 - 1.5	07-45	2300		
52 - 1.5	3-06-30	2400		

PM.

2-53-45	05-15	2500	46.82	21.9
55-30	03-30	2600	25.04	3.6
57-30	02-40	2700	18.73	18.3
58-45	3-01-00	2800		28.04
		2900		<u>24.92</u>
		3000		
		3100		
		3200		
		3300		
		3400	46.82	21.9
		3500	25.04	<u>3.6</u>
		3600	18.73	18.3
		3700		28.04
		3800		<u>24.92</u>
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

5676

No.

Voyage Date 11/10

Vessel

Machine.

Reel.

Turns?

Cor. +

Depth

Shot or lead

600 fms.

Bottom

600 fms.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 74 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
	04.00	0		
	03.70	100		
	02.30	200		
	01.50	300		
	01.05	400		
	00.05	500		
	59.05	600		
	57-50	700		
	56-30	800		
	55-30	900		
	54-10	1000		
	52-50	1100		
	51-30	1200		
		1300		
	47-50	1400		
	47-30	1500		
	46-10	1600		
		1700		
	43-40	1800		
	42-15	1900		
	41-0	2000		
		2100		
	39-30	2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 216 Date Oct. 16

Machine. Reel.

Turns Cor. + Depth S.C. U

Shot or lead 60 lbs

Bottom 1 m. by 1 m.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 74 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7. 17 350	25-30	0		
7. 18 30	24-30	100		
19. 40	24-00	200		
20	23-20	300		
21. 00	22-45	400		
22.	22-00	500		
23. 10	21-15	600		
24. 15	20-30	700		
25. 20	19-00	800		
26. 25	18-50	900		
27. 30	18-00	1000		
28. 05	17-15	1100		
29. 10	16-30	1200		
30. 15	15-45	1300		
31. 00	14-30	1400		
32. 30	14-35	1500		
33. 55	14-30	1600		
34. 15	13-40	1700		
35. 45	12-40	1800		
36. 10	09-40	1900		
37. 35	18-35	2000		
38. 10	07-30	2100		
39. 25	1-00	2200		
40. 00	0.6-3.0	2300		
41. 50	0-04-30	2400		
			Deck 26.4	
			Barb 1% 100	

6/7/16

7.50.30	03-30	2500	14.6 + 2.	219
62.10	02-20	2600	28.5 - 3	35
63.40	8.08.10	2700	28.5 -	184
51.10	7.07.10	2800		20 -
		2900		<u>300.8</u>
		3000		
		3100		
		3200		
		3300	4682	219
		3400	28.5 -	2
		3500	18.5 -	
		3600		<u>282.9</u>
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 17 Survey Date Oct 16 - 1891.

Sigebur Machine & Reel Navy-

Turns 2799 Cor. + 183 Depth 29 fms

Shot or lead 60 lbs.

Bottom 1n. Oz.

Bottom temperature 53.1

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 74 Surface 75 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
42-45	56-55	0		
43-45	53-40	100		
44-45	52-40	200		
45-45	51-45	300		
46-45	50-45	400		
47-45	49-45	500		
48-45	48-45	600		
49-45	47-45	700		
50-45	46-45	800		
51-45	45-45	900		
52-45	44-45	1000		
53-45	43-40	1100		
54-45	42-35	1200		
55-45	41-30	1300		
56-45	40-15	1400		
57-45	39-00	1500		
58-45	37-30	1600		
59-45	36-00	1700		
60-45	34-15	1800		
61-45	33-00	1900		
62-45	31-15	2000		56
63-45	30-00	2100		
64-45	28-15	2200		
65-45	26-00	2300		
66-45	24-00	2400		

10-14	24 30	2500	46 15	51 11
15-30	22 15	2600	27 83	31
17-00	21-45	2700	18 83	18 3
18-30	10-20-30	2800		27 99
		2900		29 82
		3000		
		3100		
		3200		
		3300	46 82	21 9
		3400	27 99	36
		3500	18 83	18 3
		3600		27 99
		3700		29 82
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Date
Labeled Machine Reel. Name
Turns Cor. + Depth

Shot or lead 600

Bottom m. or f.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 74 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

-72.5-30.	+1.1	2500	44.09	0.16
39-40	30-10	2600	2853	3.4
41-40	49-0	2700	1830	18.5
" 35	48-0	2800		5
45-0	12-47-10	2900		30.3
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2852	34
		3600	1830	18.5
		3700		2852
		3800		30.3
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 219. Survey Date

(continued) Machine. 1 Reel.

Turns 1810 Cor. + 183 Depth 29 3

Shot or lead 6

Bottom m. 67-

Bottom temperature -

No. of thermometer Cor. -

Corrected temperature

Air 73 Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

02-45	11-55	2500	2810	36
04-14	10-25	2600		
05-30	3-9-25	2700	1872	183
6-15		2800		2810
		10		
		2900		
		3000		2993
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2810	36
		3600	1872	183
		3700		2810
		3800		2993
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2875

No.

Survey Date

Sugbee Machine. & Reel. Shavv

Turns 1842 Cor. + 183 Depth 5027 fms.

Shot or lead 60 lbs

Bottom m. 67 -

Bottom temperature 35.2

No. of thermometer 54 815 Cor. -0.3

Corrected temperature 35.4

Air 73 Surface 74 Drift.

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.05	12.40	0		
12.05	13.35	100		
13.05	14.35	200		
14.05	15.35	300		
15.05	16.40	400		
16.05	16.37	500		
17.05	17.35	600		
18.05	18.35	700		
19.05	19.35	800		
20.05	20.35	900		
21.05	21.40	1000		
22.05	22.35	1100		
23.05	23.40	1200		
24.05	24.35	1300		
25.05	25.35	1400		
26.05	26.35	1500		
27.05	25.36	1600		
28.05	24.35	1700		
29.05	23.35	1800		
30.05	22.35	1900		
31.05	21.40	2000		
32.05	20.40	2100		
33.05	19.35	2200		
34.05	18.35	2300		
35.05	17.35	2400		

25	20	23	2500	46.63	21.17
50	25	26	2600	46.63	21.17
100	30	30	2700	46.63	21.17
200	35	32	2800	46.63	21.17
300	30	32	2900	46.63	21.17
			3000		
			3100		
			3200		
			3300	46.82	21.9
			3400	28.42	6.4
			3500	18.40	1.85
			3600		
			3700		
			3800		
			3900		
			4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 221 Survey Date Nov. 17
Machine No Reel. No

Turns 2887 Cor. + 186 Depth 3073 fms.

Shot or lead 60 lbs

Bottom 1100 fms.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 73 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-32-30		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
	18-00	1900		
	17-00	2000		
	16-00	2100		
	15-00	2200		
07-00	21-15	2300		
03-30	8-20-45	2400		7.8

8	05-20	19-30	2500	4682	219
	06-45	18-15	2600	<u>2887</u>	33
	08-30	17-00	2700	1800	186
	10-15	15-00	2800		<u>2887</u>
	12-00	8-13-30	2887 2900		3073
			3000	4682	219
			3100	<u>2887</u>	33
			3200	1795	186
			3300		<u>2887</u>
			3400	4682	219
			3500	<u>1889</u>	2
			3600		1889
			3700		1889
			3800		262
			3900		
			4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lost 1889 turns - 2028. ✓

KCO
507 2877

No. 222 Date Nov 17-1841

Nipper Machine 1 Reel. Nary.

Turns 2770 Cor. + 182 Depth 2952 fm.

Shot or load 60 lbs.

Bottom 62°

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 73 Surface 74 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1 - 59 20	17 1	0		
10 - 00 - 30	16 - 30.	100		
01 - 30	15 - 45	200		
02 - 30	15 - 15	300		
03 - 30	14 - 30	400		
04 - 30	13 - 45	500		
05 - 40	12 - 45	600		
06 - 50	12 - 00	700		
08 - 00	10 - 45	800		
09 - 20	09 - 30	900		
10 - 30	08 - 10	1000		
11 - 35	06 - 40	1100		
12 - 45	05 - 20	1200		
14 - 00	04 - 00	1300		
15 - 00	02 - 30	1400		
16 - 45	01 - 15	1500		
18 - 00	11 - 00 - 15	1600		
19 - 30	59 - 26	1700		
21 - 00	58 - 15	1800		
22 - 30	57 - 10	1900		
24 - 00	56 - 00	2000		
25 - 30	55 - 00	2100		
27 - 00	54 - 00	2200		
		2300		
30 - 00	10 - 51 - 45	2400		

10-31-45	50-15	2500	46.82	219
33-30	49-00	2600	<u>2770</u>	<u>37</u>
35-15	47-45	2700	1912	182
36-30	10-47-00	2770 2800		<u>2770</u>
		2900		2952
		3000		
		3100		
		3200		
		3300		
		3400	46.82	219
		3500	<u>2770</u>	<u>37</u>
		3600	1912	182
		3700		<u>2770</u>
		3800		2952
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

detach shot;

2076

No. 223 Survey Date Nov 17/91.
 Digebar Machine Reel. Cla
 Turns 5730 Cor. + 180 Depth 2910
 Shot or lead 60 lbs
 Bottom 4m 02
 Bottom temperature 35°
 No. of thermometer 52815 Cor. - 0.3
 Corrected temperature 35.3
 Air 75 Surface 75 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-18-10	26-0	0		
19-15	35-10	100		
20-10	24-10	200		
21-10	30-25	300		
22-10	32-30	400		
23-10	31-70	500		
24-20	21-45	600		
25-60	19-70	700		
26-50	18-45	800		
		900		
27-50	16-45	1000		
30-20	15-55	1100		
31-35	15-5	1200		
32-50	14-10	1300		
34-10	13-10	1400		
35-30	12-5	1500		
37-0	11-5	1600		
38-25	10-0	1700		
39-50	00-50	1800		
40-35	07-30	1900		
	06-10	2000		
44-35	04-45	2100		
46-15	03-25	2200		
48-0	02-00	2300		
49-30	0-10	2400		

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	75.2	75.1
		3600	74.5	74.3
		3700	74.5	74.3
		3800	74.5	74.3
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				75.6
50				73.3
100				
200	77.1			50.5
300	77.1	6	0.1	49.9
400	77.1	6	0.1	49.9
500				
600				
700			0.1	
800			0.1	
900			0.1	
1000				

REMARKS:

No. 224. Survey Date 2/1
 Machine. Reel. Mary
 Turns 2795 Cor. + 183 Depth 4978 fm
 Shot or lead 60
 Bottom 50 fms. Rigid
 Bottom temperature 10 fms. 0
 No. of thermometer 1 Cor.
 Corrected temperature 0
 Air 75 Surface 75 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
50	17.3	0		
50	50.0	100		
50	57.5	200		
50	65.0	300		
50	72.5	400		
50	80.0	500		
50	87.5	600		
50	95.0	700		
50	102.5	800		
50	110.0	900		
50	117.5	1000		
50	125.0	1100		
50	132.5	1200		
50	140.0	1300		
50	147.5	1400		
50	155.0	1500		
50	162.5	1600		
50	170.0	1700		
50	177.5	1800		
50	185.0	1900		
50	192.5	2000		
50	200.0	2100		
50	207.5	2200		
50	215.0	2300		
50	222.5	2400		

V. 115

22.00	31.00	2500	21.00	21.00
23.00	31.00	2600	21.00	21.00
24.00	29.00	2700	19.00	18.20
26.00	21.00	2800	18.00	17.20
		2900		17.00
		3000		16.00
		3100		15.00
		3200	26.82	21.00
		3300	27.15	21.00
		3400	18.87	18.30
		3500		17.00
		3600		24.75
		3700		
		3800	26.82	21.00
		3900	27.15	21.00
		4000	18.87	18.30
				27.95

SERIAL TEMPERATURES.

2978

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 175 Dredge Date 800 2/7-1891
Dredge Machine 1 Reel. 100 ft.

Turns 2730 Cor. + 180 Depth 2910 fm.

Shot or lead 60 lbs.

Bottom fine sand.

Bottom temperature -

No. of thermometer - Cor. -

Corrected temperature -

Air 75 Surface 75 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-16-00	23-00	0		
17-00	21-45	100		
18-00	21-00	200		
19-00	20-30	300		
20-00	19-35	400		
21-00	18-45	500		
22-00	17-45	600		
23-15	16-45	700		
24-20	15-46	800		
25-25	14-35	900		
26-30	13-30	1000		
27-45	12-20	1100		
29-15	11-10	1200		
30-45	10-00	1300		
32-00	08-50	1400		
33-30	07-45	1500		
34-45	06-30	1600		
36-15	05-15	1700		
37-45	04-00	1800		
38-00	03-00	1900		
40-00	01-45	2000		
42-00	00-30	2100		
43-30	59-40	2200		
45-00	58-30	2300		
46-30	6-57-20	2400		

5.7M:

6 - 48-35	66-16	2500	4682	21°
49-30	56-00	2600	2730	39
51-15	54-00	2700	1952	18°
51-45	6-1	2700 2800		27.3°
		2900		29.1°
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4682	21.7
		3600	2730	39
		3700	1952	18.0
		3800		
		3900		24.1°
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

281

No. 376 Survey Date Nov. 19/91
 District Machine (?) Recl. Army

Turns Cor. + Depth ?

Shot or lead 60 lbs.

Bottom 6m 02

Bottom temperature 55°

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.4

Air 74 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE,		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
400	1600	0		
400	1600	100		
400	1600	200		
400	1600	300		
400	1600	400		
400	1600	500		
400	1600	600		
400	1600	700		
400	1600	800		
400	1600	900		
400	1600	1000		
400	1600	1100		
400	1600	1200		
400	1600	1300		
400	1600	1400		
400	1600	1500		
400	1600	1600		
400	1600	1700		
400	1600	1800		
400	1600	1900		
400	1600	2000		
400	1600	2100		
400	1600	2200		
400	1600	2300		
400	1600	2400		

2500		
2600	2	
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500	4682	219
3600	2802	36
3700	1880	183
3800		2802
3900		219
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

20 minutes suspended
detaching. Chart.

No.		Date	
708cc	Machine.	Reel.	31
Turns 2000	Cor. +	Depth	106
Shot or lead	00 x 00		
Bottom	low		
Bottom temperature			
No. of thermometer		Cor.	
Corrected temperature			
Air 74	Surface 75	Drift	
Trawl or dredge			

SOUNDING WIRE.		TURNS,	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 50	11. 60	0		
11. 70	11. 80	100		
11. 80	11. 90	200		
11. 90	11. 30	300		
11. 90	11. 40	400		
11. 90	11. 10	500		
11. 90	11. 15	600		
11. 90	11. 80	700		
11. 90	11. 35	800		
11. 90	11. 45	900		
11. 90	11. 65	1000		
11. 90	11. 50	1100		
11. 90	11. 60	1200		
11. 90	11. 30	1300		
11. 90	11. 45	1400		
11. 90	11. 35	1500		
11. 90	11. 30	1600		
11. 90	11. 20	1700		
11. 90	11. 20	1800		
11. 90	11. 12	1900		
11. 90	11. 12	2000		
11. 90	11. 15	2100		
11. 90	11. 10	2200		
11. 90	11. 10	2300		
11. 90	11. 10	2400		

12, 13, 15	23.05	2500	2 11 55	28
14. 50	21.55	2600	1 9 2 7	1 8 1
16. 50	20.45	2700	2 2 55	
17. 00	21.70	2800	2 4 56	
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

NBB

2000

507.

No. 111 Date 11. 8

No. of line Machine Reel

Turns 2838 Cor. + 183 Depth 3000

Shot or lead 60 lbs

Bottom 4 fm of 7 fms

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 75 Surface 75 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2000	16.00	0		
1950	15.25	100		
1900	14.50	200		
1850	14.10	300		
1800	13.25	400		
1750	12.50	500		
1700	11.50	600		
1650	11.00	700		
1600	10.50	800		
1550	69.00	900		
1500	68.25	1000		
1450	67.50	1100		
1400	66.75	1200		
1350	66.00	1300		
1300	65.25	1400		
1250	63.50	1500		
1200	62.75	1600		
1150	62.00	1700		
1100	61.25	1800		
1050	60.50	1900		
1000	59.75	2000		
950	59.00	2100		
900	58.25	2200		
850	57.50	2300		
800	56.75	2400		
750	56.00			

Paleo Log rec. 170.4 Shallow 12
Ran 1.1 meters outside beam size 1

O 114.

-2.42.55	54.20	2500	1	21°
44.30	53.15	2600		6.4
46.15	52.10	2700	18.4	18.5
47.55	51.00	2800	2	5.1
48.40	2.50.30	2900	30.2	3
		3000		
		3100		
		3200		
		3300		
		3400	41	
		3500	21.3	
		3600	1	
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES:

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2884

No. 229 Survey Date for 18-1871-
 Sighting Machine Recl.

Turns 2785 Cor. + 182 Depth 2967 fms.

Shot on lead 60 lbs.

Bottom 6m 3

Bottom temperature 35.6

No. of thermometer 54815 Cor. - 0.3

Corrected temperature 35.3

Air 75 Surface 76

Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
46-00		0		
45-00		100		
44-00		200		
43-05		300		
42-10		400		
41-10		500		
40-10		600		
39-15		700		
38-20		800		
37-20		900		
36-20		1000		
35-30		1100		
34-15		1200		
33-00		1300		
32-30		1400		
		1500		
31-15		1600		
30-30		1700		
29-15		1800		
28-15	28-15	1900		
27-15	27-15	2000		
26-15	26-15	2100		
25-15	25-15	2200		
24-15	24-15	2300		
23-15	23-15	2400		

15-45	15-45	500	46.82	219
0	15	14-2	2600	27
15-30	13-15	2700	19.00	18.2
15-3	15-12-15	2750	27.65	27.65
		2900		29.67
		3000		
		3100		
		3200		
		3300		
		3400	46.82	219
		3500	46.82	219
		3600	46.82	219
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2885

No. 233 Survey - Date Oct² 18-1891.

Sighting Machine. " Reel. ".

Turns 2717 Cor. + 18% Depth 29.5 fms.

Shot or lead 60 lbs.

Bottom 62° 62°

Bottom temperature 76°

No. of thermometer — Cor. —

Corrected temperature —

Air 76 Surface 76 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-0	30	0		
08-30		100		
		200		
10-30		300		
11-30		400		
12-30		500		
13-45		600		
14-45		700		
15-60		800		
		900		
16-75		1000		
17-90		1100		
18-40		1200		
19-50		1300		
20-65		1400		
21-80		1500		
		1600		
22-95		1700		
23-105		1800		
		1900		
24-115		2000		
25-125		2100		
		2200		
26-135		2300		
		2400		

7-35-2	46-05	2500	46.5	27
40-60	47-15	2600	27.7	37
41-45	46-00	2700	19.05	18
42-	46-15	2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	46.82	21.9
		3600	27.7	37
		3700	19.05	18
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 607 Date 1914
 Sagebur Machine Reel. 1914
 • Turns 2769 Cor. + 181 Depth 29.50
 Shot or lead 60 lbs
 Bottom —
 Bottom temperature —
 No. of thermometer — Cor.
 Corrected temperature —
 Air 76 Surface Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

-10-64-20	14.35	2500		
05-50	13.7-2.5	2600		
07-2.5	12-10	2700		
08-25	10-11-15	276		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	46.82	21.9
		3500	27.69	3.8
		3600	19.13	18.1
		3700		27.69
		3800		29.50
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No change in the cup but clean water.

2887

507.

No.

Date

Nov 18 1868.

Logbook Machine "1 Reel. 100 fms
 Turns 2771 Cor. + 182 Depth 2953 fms
 Shot or lead 60 lbs.
 Bottom 35°
 Bottom temperature 35.4
 No. of thermometer 57815 Cor. - 0.3
 Corrected temperature 35.4
 Air Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
	65.25	200		
	59.50	300		
	55	400		
	51.50	500		
	47.50	600		
	44	700		
	40.50	800		
	36.50	900		
	32.50	1000		
	27.75	1100		
	23.50	1200		
	19.50	1300		
	15.50	1400		
	11.50	1500		
	7.50	1600		
	3.50	1700		
11.50	2.50	1800		
7.50	0.50	1900		
3.50	-1.50	2000		
1.50	-3.50	2100		
	-5.50	2200		
1.50	-7.50	2300		
20.25	17.50	2400		

25	22.70	32.70	2500	21.7	21.7
250	22.70	32.70	2600	21.7	21.7
500	22.70	32.70	2700	19.1	19.2
1000	22.70	32.70	2800	19.1	19.2
			2900		
			3000		
			3100		
			3200		
			3300		
			3400	16.8	17.9
			3500	21.1	21.7
			3600	19.1	19.2
			3700		
			3800		
			3900		
			4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Date
 Dredge Machine. % Reel. Navig.
 Turns 2427 Cor. + 180 Depth 2907
 Shot ~~on lead~~ 60 lbs
 Bottom ~~W. of~~ ~~the S.~~
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air 76 Surface 76 Drift
 Trawl or dredge

SOUNDING WIRE		TURNS		DREDGE ROPE
DOWN.	UP.		DOWN.	UP.
	17.10	0		
16.95	16.95	100		
16.80	16.80	200		
15.70	15.70	300		
14.55	14.55	400		
13.40	13.40	500		
12.20	12.20	600		
11.00	11.00	700		
10.80	10.80	800		
10.60	10.60	900		
10.40	10.40	1000		
10.15	10.15	1100		
9.90	9.90	1200		
9.65	9.65	1300	30.46	length
9.40	9.40	1400		while dredging
9.15	9.15	1500		
8.90	8.90	1600		
8.65	8.65	1700		
8.40	8.40	1800		
8.15	8.15	1900		
7.90	7.90	2000		
7.65	7.65	2100		
7.40	7.40	2200		
7.15	7.15	2300		
6.90	6.90	2400		

		2500	46.87	21.9
		2600	47.17	21.9
		2700	47.57	21.9
		2800	47.97	21.9
		2900	48.37	21.9
		3000	48.77	21.9
		3100	49.17	21.9
		3200	49.57	21.9
		3300	46.87	21.9
		3400	27.27	5.0
		3500	19.55	11.0
		3600		21.27
		3700		21.67
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 234 Number Date Nov 21 1871

Apparatus Machine & Reel Kony

Turns 2686 Cor. + 178 Depth 2364 fms.

Shot or lead 60 lbs

Bottom 7m. 6f. Max. 26

Bottom temperature 7.5

No. of thermometer Cor.

Corrected temperature

Air 76 Surface 76 Drift

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-31-15	5-30	0		
33-00	32-30	100		
34-15	34-30	200		
35-15	34-0	300		
36-15	32-15	400		
37-15	32-30	500		
38-15	31-15	600		
39-20	30-0	700		
40-25	31-30	800		
41-15	31-40	900		
42-10	31-45	1000		
43-0	26-45	1100		
45-15	25-45	1200		
46-3	24-30	1300		
48-6	23-00	1400		
49-15	22-60	1500		
50-6	21-60	1600		
52-0	20-00	1700		
53-2	19-00	1800		
54-45	17-15	1900		
55-45	16-45	2000 near bottom		
56-0	15-45	2100		
59-45	14-30	2200		
61-45	13-30	2300		
63-15	5-12-30	2400	Log	Rope

P.M.

- 5-04-45	11-30	2500	4682	219
06-15	10-30	2600	2686	41
07-45	5-09-30	2686 2700	1996	178
		2800		2686
		2900		2864
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2686	41
		3600	199.6	178
		3700		2686
		3800		2864
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

R. J. E. B. 2891
 No. 235 Survey Date Oct. 18/91
 Sigsbee Machine Reel. Starq.
 Turns 2685 Cor. + 176 Depth 31811
 Shot or lead 60 ebs.
 Bottom 6n. of 35°
 Bottom temperature 35°
 No. of thermometer 54815 Cor. -0.3
 Corrected temperature — 35.4
 Air 76 Surface 76 Drift —
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-58-45	03. 20	0		
54-45	02. 30	100		
53-30	01. 40	200		
56-25	00. 30	300		
57-20	59-30	400		
58-15	58-35	500		
59-20	57-40	600		
7-0-20	56-50	700		
01-20	55-5.5	800		
02-20	55-0	900		
03-30	54-0	1000		
04-35	53-5.5	1100		
05-50	51-50	1200		
07-0	50-45	1300		
08-30	49-30	1400		
09-40	48-20	1500		
10-20	47-5	1600		
11-15	45-50	1700		
13-35	44-30	1800		
15-0	43-5	1900		
16-35	41-30	2000		
17-55	39-50	2100		
19-30	38-30	2200		
20-50	37-10	2300		
22-15	35-55	2400		

24-25	7-38-15	34-40	2500	
			2600	33
			2700	
			2800	
			2900	
			3000	
			3100	
			3200	4682 219
			3300	2635 43
			3400	2047 176
			3500	2635
			3600	2811
			3700	
			3800	
			3900	
			4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			4682 - 219	
50			2635	43
100			2047	176
200			2635	
300				2811
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Tackle.

Reel.

Turns 638 Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11. 02 00
12. 00
04. 03
05. 01
16. 00
07. 05
09. 10
09. 15

0
100
200
300
400
500
600
650
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400